

HEALTH AND SAFETY PLAN
FOR
SCREENING SITE INSPECTION FIELD WORK
DOYLE, FRANK J. (a.k.a Frank J. Doyle Transformer Site)

Prepared by

Texas Natural Resource Conservation Commission
Superfund Site Discovery and Assessment Team
Austin, Texas

Reviewed and approved by

Site Safety Officer:

Name

Date

Site Investigation:
Manager

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Date

PA/SI Program Manager
Representative:

Name

Date

TNRCC Central Office
Health & Safety
Representative:

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Date

December 1997

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SECTION 2

SITE INFORMATION

GENERAL INFORMATION

Site: Doyle, Frank J., aka: Frank J. Doyle Transformer Site, TXD980865109

Location: The Frank J. Doyle Transformer site is an active metal salvage yard (SWR# 80951) that occupies 0.6 acres located at 305 E. Cottonwood Street, Leonard, Texas in Fannin County. The site consists of a shop and storage areas surrounded by a 6'-high wooden perimeter fence. The geographic center of the site is 33° 23' 23" N Latitude and 96° 14' 34" W. The site is located in a residential area in the northeast portion of the city adjacent to Leonard High School. The alleyway south of the site is accessed by the public frequently and the nearest residence is located 40' south of the site.

Mailing Address: F. J. Doyle Salvage Transformers
305 E. Cottonwood Street, Box 312
Leonard, TX 75452

Proposed date of field work: January, 1998

Hazard Assessment: ☐ High ☒ Medium ☐ Low
 ☐ None ☐ Unknown

Site description: The owner, Frank J. Doyle, began salvage operations in 1974 and operated at the site until his retirement in January 1997. The owner resides next to the site. His son, Gary Doyle, now operates the facility. Used transformers are received from suppliers in Texas, Oklahoma, Louisiana and Arkansas, off-loaded, drained, copper cores removed, baked to remove varnish, paper and residual oil and stripped for recoverable metals. Drained-transformer oils are stored on-site in tanks or drums and subsequently shipped to a recycler. Suppliers are required to test shipped transformers for PCBs <40 parts per million (ppm). According to the owner, transformers were not tested prior to 1980.

Based on an EPA site assessment and results of soil samples collected on July 10-12, 1995, the site has three on-site areas (depth 0"-24") with polychlorinated biphenyls (PCB) contaminated soils ranging from 2.7 mg/kg to 1,590 mg/kg and three off-site areas ranging from 1.57 mg/kg to 2,730 mg/kg at varying depths (0"-6", 6"-12", 12"-18" and 18"-24") along the site perimeter. A May 20, 1997 PA identified two city wells and adjacent residential yards/public schools as potential targets.

SCOPE OF WORK SUMMARY

The field team will collect groundwater and soil samples. Samples to be collected include a total of four (4) groundwater samples, nineteen (19) soil samples, two (2) rinsate samples and three (3) field blanks. These include three (3) background soil samples collected from unaffected upwind/upgradient locations within one mile of the site and one (1) background groundwater sample collected from an off-site upgradient public drinking water well located within two miles of the site for attribution of site contaminants. A duplicate sample will be collected for each matrix each day.

All samples will be collected according to the procedures outlined in the QAPP (Appendix E).

No air samples are planned to assess releases to the air pathway. In addition, no sediment samples are anticipated since there are no perennial streams or receptor bodies of water located within the required 2-mile target distance limit.

SITE/CHEMICAL CHARACTERISTICS

Chemical

type(s):

☒ Liquid

☒ Solid

☐ Sludge

☐ Gas

Characteristic(s): ☐ Corrosive

☐ Ignitable

☐ Radioactive

☐ Volatile

☐ Toxic

☐ Reactive

☐ Unknown

☒ Other

Summary of known wastes: See below.

List of hazardous substances detected onsite: polychlorinated biphenyls (Aroclor 1260) detected in soils adjacent to on-site waste management units and off site.

Description of all known waste disposal areas on site: Known waste disposal areas include: (1) surface soils in the transformer storage area located in the southeast portion of the site, (2) soils adjacent to the container storage area located in the southwest portion of the site, and (3) soils in the transformer off-load area located in the north central portion of the site.

Site waste management history: The site has been investigated for suspected PCB-contaminated soils by the EPA since 1990. PCB contamination suspected from discharged or spilled transformer oils were initially investigated by the EPA on July

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